

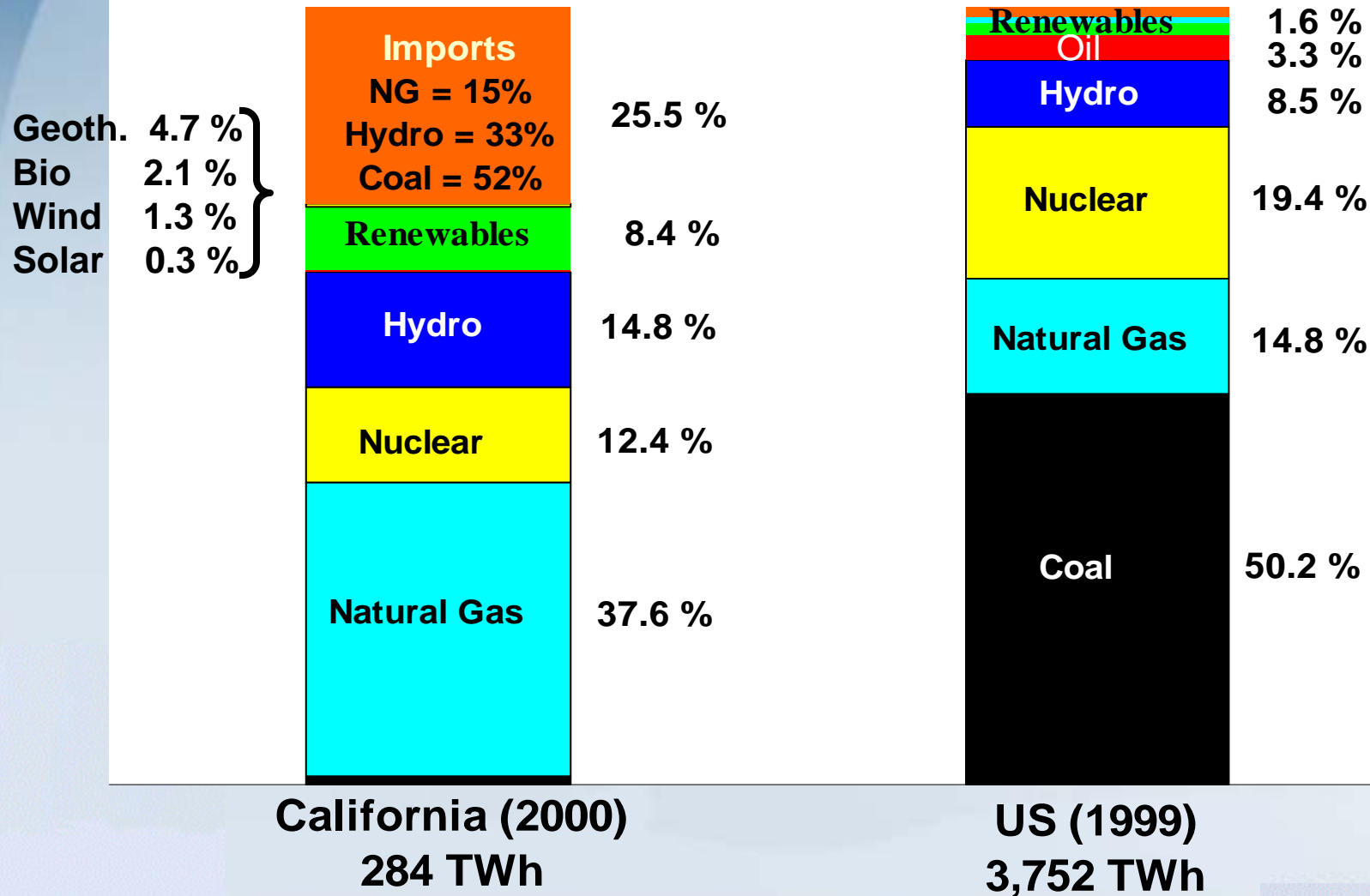
Climate Scenarios, Impacts, and Adaptation Options in California: Status of Research Activities



***Third Annual Climate Change
Research Conference
Sacramento, California
September 13, 2006***

***James D. Boyd, Commissioner
California Energy Commission***

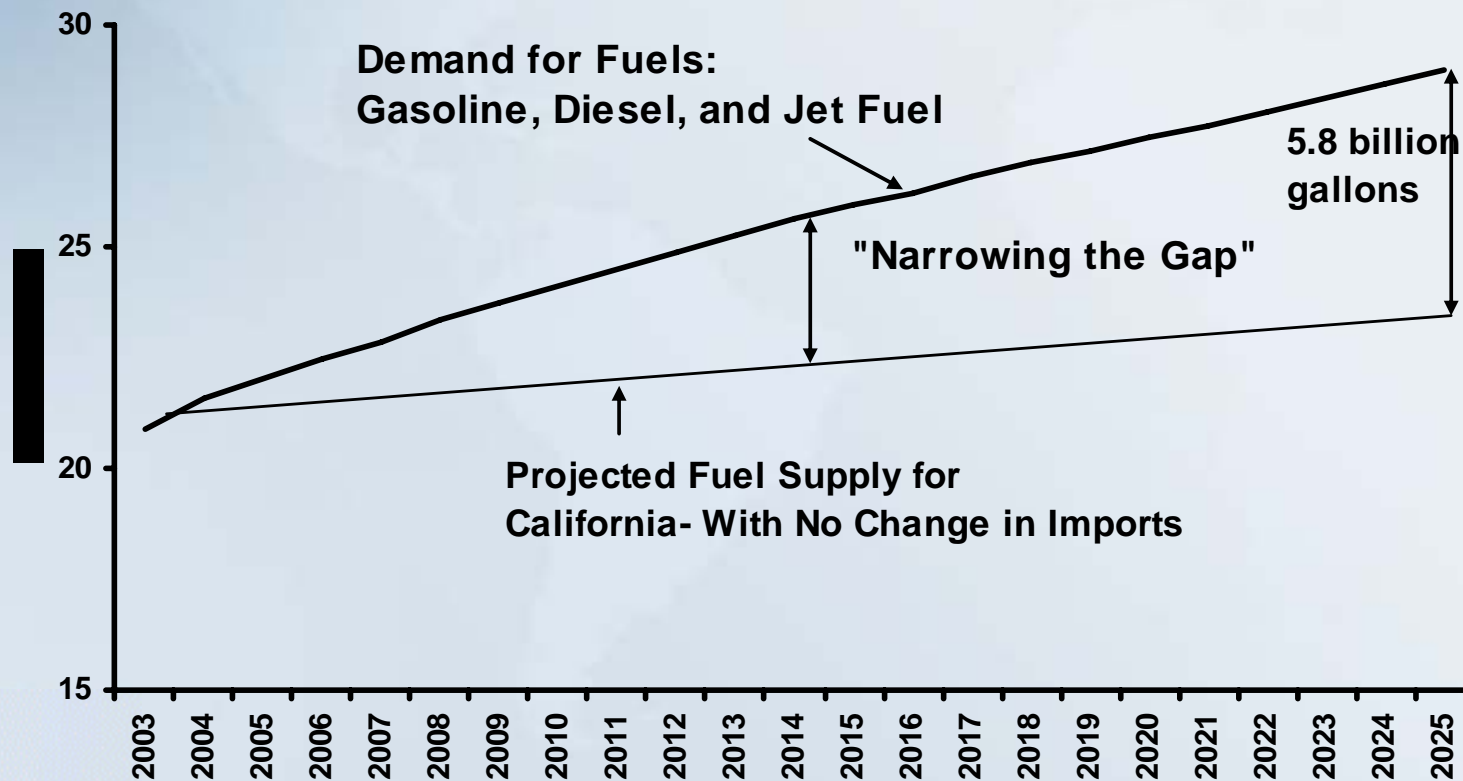
California versus US Electricity Supply



The Nation-State of California

- 5th largest economy in the world
- Population growth: 1980-2000: 1.9%, 2000-2020: 1.4% projected
- Population – expected to grow from 36 million now to 45 million by 2025
- Vehicle Miles Traveled: 1980-2000 increased 3.3% per year
- 5th largest consumer of energy in the world
- 2nd largest consumer of gasoline and diesel in the world – only the US consumes more
- Approximately 26 million registered vehicles
- \$150 million for gasoline and diesel spent daily

The Heart of the Problem



California Now Has a Voice in the On-Going Debate

- Major emitter of greenhouse gases
- Pioneering air quality laws and standards
- Landmark Global Climate Change Law-AB 32
- Aggressive Public Goods Charge programs to meet the challenge
 - energy efficiency
 - renewables
 - research and development
- A stream of new policies and programs focused on greenhouse gas emissions

Driving to a Sustainable Future: The “E”s are Linked

- Environment
- Energy
- Economy
- Equity
- Education

